

Medication Audit Criteria and Guidelines  
**Drug Audit Checklist 1**

<b>Reviewer:</b>	<b>Date:</b>
<b>Class:</b>	
<b>Drug:</b> carbamazepine (Tegretol®, Tegretol XR®, Carbitrol®)	

Audit#	Comments	Requires Phys.Review	
Patient#		Yes	No
Ordering Physician			

<b>INDICATIONS</b>	1. Bipolar disorder and other cyclic mood disorders			
	2. Aggressive behavior secondary to a psychiatric disorder			

<b>Contraindications</b>	<i>Absolute</i>	1. History of anaphylactic reaction or similarly severe significant hypersensitivity to carbamazepine or tricyclic antidepressants			
		2. Current bone marrow suppression			
		3. Concomitant use of MAO Inhibitor or within 14 days of MAO Inhibitor use			
		4. Concomitant use of nefazodone			
		5. Concomitant use of NNRTI (HIV) agents			
	<i>Relative</i>	1. History of blood dyscrasias			
		2. Myoclonic seizure, atonic seizures, absence seizures			
		3. AV heart block			
		4. Positive HLA-B *1502, HLA- A*3101- benefit must outweigh risk of serious skin reactions			
		5. History of bone marrow suppression			
		6. Pregnancy/nursing mothers			
		7. Concomitant use of clozapine			

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<b>PATIENT MONITORING</b>	<b>Patient Monitoring Parameters</b>	1. CBC with differential - baseline and 1 to 2 weeks after each dose increase, annually, and as clinically indicated			
		2. Electrolytes – baseline and 1 to 2 weeks after each dose increase, annually, and as clinically indicated			
		3. Hepatic function - baseline, monthly for first three months, annually and as clinically indicated.			
		4. Pregnancy Test; baseline as appropriate and as clinically indicated			
		5. Carbamazepine levels – 1 week after initiation, 3-4 weeks after dose adjustment, then as clinically indicated			
		6. For patients with Asian descent, genetic test for HLA-B*1502 at baseline (prior to the initiation of carbamazepine). May use results of previously completed testing.			
		7. Consider HLA-A*3101 genetic testing at baseline for those to be considered at high risk (most common in Asian, Native American, European, and Latin American descents)			
		8. Monitor for the emergency of suicidal ideation or behavior			
		Usual therapeutic levels 4-12 mcg/ml			
		Therapeutic ranges for the lab used should be listed on the report.			
	<b>Dosing</b>	1. Take with food to avoid stomach upset 2. See DSHS/DADS Formulary for dosage guidelines. 3. Exceptions to maximum dosage must be justified as per medication rule.			

Date Referred	Date Reviewed	Comments	Physician's Signature

Additional Comments:
